



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
OKLAHOMA FIELD OFFICE
201 STEPHENSON PARKWAY SUITE 1200
NORMAN, OK 73072
BLM_KM_OFO_APD@BLM.GOV



In Reply To:
3160
[OKNM28183]

01/31/2017

Attn: ARICKA EASTERLING
CIMAREX ENERGY CO
202 S. CHEYENNE AVE., STE 1000
TULSA, OK 74103

Re: Receipt and Acceptability of Application for Permit to Drill (APD)

FEDERAL - OKNM28183

Well Name / Number: **HINES FEDERAL / 1H-0235X**
Legal Description: **T10N, R8W, SEC 2, SWSE**
County, State: **GRADY, OK**
Date APD Received: **11/03/2016**

Dear Operator:

The BLM received your Application for Permit to Drill (APD), for the referenced well, on 11/03/2016. The BLM reviewed the APD package pursuant to part III.B.2 of Onshore Oil and Gas Order No.1 and it is:

1. ☒ Incomplete/Deficient *(The BLM cannot process the APD until you submit the identified items within 45 calendar days of the date of this notice or the BLM will return your APD.)*

- ☐ Well Plat
- ☒ Drilling Plan
- ☐ Surface Use Plan of Operations (SUPO)
- ☐ Certification of Private Surface Owner Access Agreement
- ☐ Bonding
- ☐ Onsite (The BLM has scheduled the onsite to be on _____)
This requirement is exempt of the 45-day timeframe to submit deficiencies. This requirement will be satisfied on the date of the onsite.
- ☒ Other

[Please See Addendum for further clarification of deficiencies]

Adjudication Comments

- Adjudicator additional information:
 1. Submit Geospatial data. Contact Jason Money at djmoney@blm.gov or 405-579-7194 if you have questions.
 2. Submit Surface use agreement.

Engineering Comments

- BOP requirements are not met
A 10M annular is required on a 10M system below the 9-5/8 inch intermediate casing. The unavailability of a 10M annular preventer is not justification to utilize a 5M annular preventer. Recommend operator review Baker Hughes Oil tools catalog and T3 Energy services catalog.
- Testing Program information is inadequate and/or incomplete
The operator is to review and revised the open hole logging plan to run open hole logs from TD (horizontal well vertical portion of hole only) to base of the surface casing and cased hole logs from base of surface casing to surface.
- Engineering Review: Other submitted information are inadequate and/or incomplete
Per Onshore Order #1:
The estimated depth and thickness of formations, members, or zones potentially containing usable water, oil, gas, or prospective valuable deposits etc., and the operators plans for protecting such resources is not clear. This information is missing for the Tonkawa, Red Fork through the Woodford formations; N/A is unacceptable; are these hydrocarbon or non- hydrocarbon bearing zones. Identify the formations/zones containing usable water and depths; identify base of treatable water.
- Engineering Review: Other identified drilling plan deficiencies
A complete detail casing design will be reviewed during the final engineering review; further requirements may be requested at this time.

Geologic Comments

- The complete logging, coring, and testing program is not adequately described.
- Coring Program Deficiency Information:
No open-hole logging program through upper pay zones is proposed. Please run a standard log suite (SP/DIL/LDT/CNL/ML) on potential productive zones from Red Fork to the KOP.